

CLAIM SUMMARY DOCUMENT

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (Previously Presented) A centrifuge, comprising:
at least two centrifugal drums, each drum including a disc stack and each drum being rotatable about first and second axes of rotation; and
the first axis of rotation extends through a center of gravity of and is within each drum, and the second axis of rotation is situated outside each drum.
2. (Previously Presented) The centrifuge according to Claim 1, wherein the axes of rotation extending through the center of gravity of each drum and are oriented either parallel to one another or are aligned with one another.
3. (Previously Presented) The centrifuge according to Claim 1, wherein the centrifugal drums have a continuous basket shell.
4. (Cancelled)
5. (Previously Presented) The centrifuge according to Claim 1, wherein a maximal rotational speed of the centrifugal drums about the first axis of rotation is higher than a maximal rotational speed about the second axis of rotation.
6. (Previously Presented) The centrifuge according to Claim 1, wherein the centrifugal drums are arranged opposite one another, and the first axes of rotation of the centrifugal drums are aligned with one another.

7. (Previously Presented) The centrifuge according to Claim 1, wherein the second axis of rotation is arranged perpendicular to the first axis of rotation of each drum and crosses each first axis of rotation.

8. (Previously Presented) The centrifuge according to Claim 1, wherein the centrifugal drums have a double-conical construction[[]] including two mutually oppositely oriented inner and outer conical sections, each of the conical sections being constructed at an end area, of the centrifugal drums.

9. (Previously Presented) The centrifugal drum according to Claim 8, wherein the inner and outer conical sections of each centrifugal drum are mutually connected by central cylindrical sections.

10. (Previously Presented) The centrifuge according to Claim 8, wherein relative to the first axis of rotation, the outer conical sections are each constructed at an acute angle with respect to the first axis of rotation , the angle amounting to 60° or less.

11. (Previously Presented) The Centrifuge according to Claim 1, wherein the disc stack is arranged concentrically with respect to a feeding pipe in each of the centrifugal drums.

12. (Previously Presented) The centrifuge according to Claim 1, wherein the disc stack includes rising ducts.

13. (Previously Presented) The centrifuge according to Claim 8, wherein at an end of the outer conical sections, discharge openings for a solid phase are constructed and oriented concentrically with respect to the first axis of rotation.

14. (Previously Presented) The centrifuge according to Claim 8, wherein each drum includes cylindrical attachments shaped onto the inner conical sections toward the second axis of rotation, which attachments are disposed in carrier elements connected by bearings.

15. (Previously Presented) The centrifuge according to Claim 1, wherein each drum includes a centric feeding pipe for centrifugal material and also includes discharge ducts extending through the cylindrical attachments.

16. (Previously Presented) The centrifuge according to Claim 1, wherein each centrifugal drum includes a first driving device for driving the centrifugal drum about the first axis of rotation.

17. (Previously Presented) The centrifuge according to Claim 1, wherein the centrifugal drums have a common driving device for driving the centrifugal drums about the first axis of rotation.

18. (Previously Presented) The centrifuge according to Claim 16, wherein the centrifugal drums and their driving devices are arranged on at least one rotatable ring.

19. (Previously Presented) The centrifuge according to Claim 18, wherein the at least one rotatable ring is horizontally aligned and is rotatably disposed by bearings on a base structure.

20. (Currently Amended) ~~Centrifuge~~ The centrifuge according to ~~one of the preceding claims, characterized in that~~ Claim 18, wherein the at least one rotatable ring (17) can beis rotated on ~~the~~ a base structure (19) by means of a second driving device (20).

21. (Currently Amended) Centrifuge The centrifuge according to one of the preceding claims, characterized in that Claim 1, wherein the at least two centrifugal drums (2, 3) are connected behind one another with respect to the a flow path of the centrifugal material.